

STATE NORMAL SCHOOL
LOWELL, MASSACHUSETTS



1916

1917

STATE NORMAL SCHOOL
LOWELL, MASSACHUSETTS



NINETEENTH YEAR

1916-1917 .

APPROVED BY
THE STATE BOARD OF PUBLICATION.

State Board of Education.

1916.

Term expires
May 1.

BY APPOINTMENT.

1916. FREDERICK P. FISH,		BROOKLINE.
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1916. ELLA LYMAN CABOT,		BOSTON.
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1917. PAUL H. HANUS,		CAMBRIDGE.
1918. MARGARET SLATTERY,		MALDEN.

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E. C. BALDWIN,		<i>Business Agent.</i>

Faculty.

JOHN J. MAHONEY, PRINCIPAL,	Psychology.
CLARENCE M. WEED,	Nature study and school gardening.
JOSEPHINE W. CHUTE,	Drawing and practical arts.
MIRION H. MILNER,	Physical education and hygiene.
SARAH E. LOVELL,	English.
ALBERT EDMUND BROWN,	Music and English diction.
CHARLOTTE M. MURKLAND,	Supervisor of practice.
WILLIAM E. RILEY,	Penmanship and reading methods.
ELIZABETH M. HUMPHREY,	Supervisor of rural schools.
BLANCHE A. CHENEY,	Physical education.
FRANCES CLARK,	History, history of education, civics.
ETHEL E. KIMBALL,	Geography and mathematics.
	Secretary and librarian.

Practice Department.

Bartlett Training School, Lowell.

HERBERT D. BIXBY, PRINCIPAL.

BELLE A. PRESCOTT,	Seventh, eighth and ninth grades,	Literature.
AMY L. TUCKE,		Arithmetic and music.
ALICE D. SUNBURY,		Grammar and domestic science.
SARA E. AMES,		History, civics and sewing.
KATHLEEN E. DRISCOLL,	Sixth grade.	Geography.
CHARLES SEEDE,		Manual Training.
CELIA STANDISH,		English.
BELLE F. BATCHELDER,		Sixth grade.
MARIA W. ROBERTS,	Fifth grade.	
KATHERINE FARLEY,	Fifth grade.	
A. GERTRUDE STILES,	Fourth grade.	
E. BELLE PERHAM,	Fourth grade.	
— — — — —,	Third grade.	
BERTHA M. SHERBURNE,	Second grade.	
ELEANOR J. LE LACHEUR,	Second grade.	
ESSIE E. ROCHE,	First grade.	
MARY E. SNOW,	First grade.	
M. BEATRICE SHEA,	Assistant.	
HELEN W. NOYES,	Principal of kindergarten.	
— — — — —,	Assistant.	

The School Calendar.

1916.

Graduation.

Tuesday, June 20.

First Entrance Examinations.¹

June 22 and 23.

Midsummer Vacation.

Second Entrance Examinations.¹

September 5 and 6.

School Year Begins.

Thursday, September 7.

Columbus Day.

October 12.

Thanksgiving Recess.

November 30 and December 1.

Christmas Recess.

Week of December 24.

1917.

Spring Recesses.

Week of February 25.

Week of April 29.

Patriot's Day.

April 19.

Memorial Day.

May 30.

Graduation.

June 19.

First Entrance Examinations.

June 21 and 22.

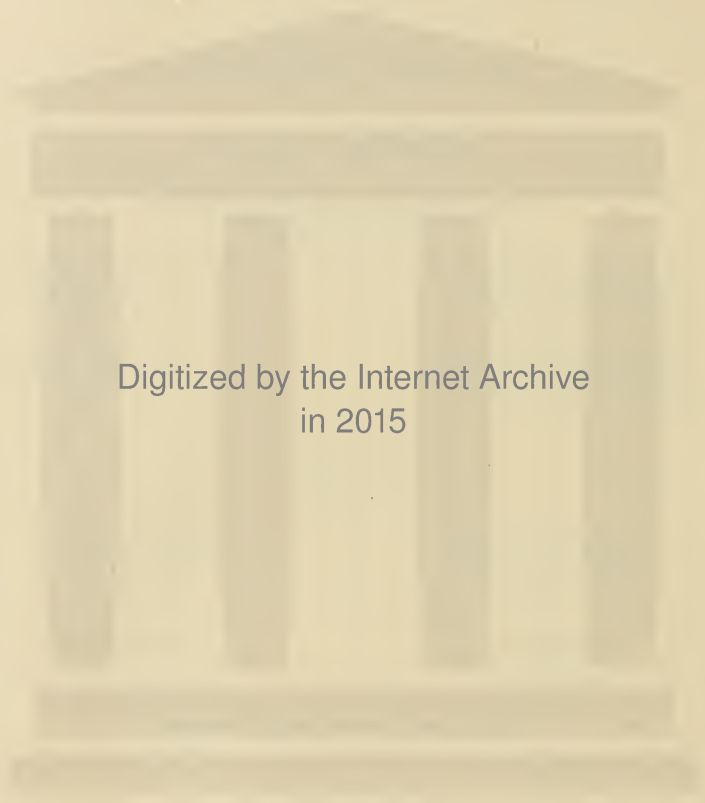
Midsummer Vacation.

Second Entrance Examinations.

September 4 and 5.

School begins September 6.

¹ See page 15.



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Alumni Association.

ROSE GEARY, '10,	<i>President.</i>
FRANCES DONOVAN MAHONEY, '06,	<i>Vice-President.</i>
REGINA FRAPPIER, '10,	<i>Secretary.</i>
RUTH D. CRAWFORD, '11,	<i>Treasurer.</i>

Executive Committee.

	1899.	
Elizabeth Dame.		Alice R. Jenkins.
	1900.	
Helen Swain.		Annie Donoghue.
	1901.	
Bertha Sherburne.		— —
	1902.	
— —		— —
	1903.	
Caroline Downey.		Ethel Hale.
	1904.	
Bertha Marshall Dow.		— —
	1905.	
Susan Griffin.		— —
	1906.	
Anna Coffey.		Mary McGowan.
	1907.	
— —		— —
	1908.	
Genevieve Jantzen.		Katherine Sullivan.
	1909.	
Alice Gallagher.		Florence Archibald.
	1910.	
Etta O'Neil.		Ellen L. Daley.
	1911.	
Mabel E. Haggerty.		Gertrude Keyes.
	1912.	
Irene Simmons.		— —
	1913.	
Minnie Miller.		Elizabeth Jacobs.
	1914.	
Ruth Crowell.		Gertrude Weinbeck.

State Normal School.

Lowell, Massachusetts.

LOCATION.

The Lowell Normal School was established by an act of Legislature approved January 6, 1894. A tract of land about three acres in extent, at the corner of Broadway and Wilder Street, selected as a site by the State Board of Education, was purchased by the city. The school was opened to pupils October 4, 1897, and the exercises of dedication took place June 15, 1898.

The building is situated on high land in the western part of the city, facing the Merrimac River, and, although removed from the noise and bustle of the city, is easily reached by either of two lines of electrics. It is also within easy walking distance to the Boston & Maine station.

AIM AND PURPOSE OF SCHOOL.

The Board of Education, by a vote passed May 6, 1880, stated the design of the school, and the course of studies for the State normal school, as follows: —

The design of the normal school is strictly professional; that is, to prepare in the best possible manner the pupils for the work of organizing, governing and teaching the public schools of the Commonwealth.

To this end there must be the most thorough knowledge: First of the branches of learning required to be taught in the schools; second, of the best methods of teaching these branches; and third, of right mental training.

REQUIREMENTS FOR ADMISSION.

The admission requirements are as follows: —

I. A candidate for admission to a Massachusetts State normal school as a regular student must have attained the age

of seventeen years if a man, and sixteen years if a woman, on or before the first day of September in the year in which he seeks admission (but for admission to the household arts course at the Framingham Normal School an age of at least eighteen years is required); must be free from diseases or infirmities, or other defects which would unfit him for the office of teacher; must present a certificate of good moral character; and must present evidence of graduation from a high school or of equivalent preparation, and, in addition, offer such satisfactory evidence of scholarship as may be required by the regulations of the Board. He must submit detailed records of scholarship from the principal of the high school or other school in which preparation has been made, showing the amount of time given to individual subjects and the grades therein, and such additional evidence of qualifications for the calling of teacher as may be defined in the regulations of the Board relating to normal schools.

II. A candidate for admission as a regular student to a general course must offer satisfactory evidence of preparation in the subjects listed under "A," "B," and "C," amounting to 15 units, 10 of which units, however, must be in subjects under "A" and "B" and secured either by examination or certification. (The Massachusetts Normal Art School requires, in addition, that a special examination in drawing be passed. Applicants for admission to the Practical Arts Department of the Fitchburg Normal School may substitute evidence of practical experience in some industrial employment in whole or in part for the above.)

A unit represents a year's study in any subject in a secondary school, constituting approximately one-quarter of a full year's work.

A. *Prescribed Subjects.* — Three units.

(1) English literature and composition, 3 units.

B. *Elective Subjects.* — At least 7 units from the following subjects: —

(2) Algebra,	1 unit.
(3) Geometry,	1 unit.
(4) History, ¹	1, 2 or 3 units.
(5) Latin,	2, 3 or 4 units.
(6) French,	2 or 3 units.
(7) German,	2 or 3 units.
(8) Physics,	1 unit.
(9) Chemistry,	1 unit.
(10) Biology, botany or zoölogy,	$\frac{1}{2}$ or 1 unit.
(11) Physical geography,	$\frac{1}{2}$ or 1 unit.
(12) Physiology and hygiene,	$\frac{1}{2}$ or 1 unit.
(13) General science,	$\frac{1}{2}$ or 1 unit.
(14) Drawing,	$\frac{1}{2}$ or 1 unit.
(15) Household arts,	1 or 2 units.
(16) Manual training,	1 unit.
(17) Stenography, including typewriting,	1 or 2 units.
(18) Bookkeeping,	1 unit.
(19) Commercial geography,	$\frac{1}{2}$ or 1 unit.
(20) Arithmetic,	$\frac{1}{2}$ or 1 unit.

For the present the topics included within the foregoing subjects will be such as are usually accepted by the Massachusetts colleges for entrance. The outlines submitted by the College Entrance Examination Board (substation 84, New York City) will be found suggestive by high schools.

C. *Additional Subjects.* — At least 5 units from any of the foregoing subjects, or from other subjects approved by the high school towards the diploma of graduation of the applicant representing work in addition to that for which credit is gained by examination or certification.

III. A. *Examinations.* — Each applicant for admission, unless exempted by the provisions of sections IV. and V. must pass entrance examinations in the subjects as required under "A" and "B." Examinations in these subjects will be held at each of the normal schools in June and September of each year (examinations for the Massachusetts Normal Art School are held only in September). Candidates applying for admission by examination must present credentials or certificates from their schools to cover the requirements under

¹ History includes ancient, mediæval and modern; English history, American history and civics, and current events.

"C," and will not be given examinations in these subjects. Persons not able to present these credentials must obtain credit for 15 units by examination in the subjects listed under "A" and "B."

B. *Division of Examinations.* — A candidate for admission to a normal school may take all of the examinations at once, or divide them between June and September. A candidate will receive permanent credit for any units secured by examination or certification.

IV. *Admission on Certificate.* — A graduate of a public high school approved by the Board of Education for purposes of certification to a State normal school may be exempted by the principal of the normal school from examination in any of the subjects under "A" and "B" in which the principal of the high school shall certify that the applicant is entitled to certification, in accordance with standards as defined by the Board of Education.

Credits secured by any candidate from the Board of Regents of the State of New York, or for admission to any college in the New England College Entrance Certificate Board, either by examination or certification, or in the examinations of the College Entrance Examination Board, shall be accepted towards the total of 10 units under "A" and "B."

In addition to the units granted by certification candidates must present credentials for subjects under "C."

V. *Admission of Special Students.* — (a) When in any normal school, or in any course therein, the number of students entered as regular students and as advanced students at the opening of any school year is below the maximum number for which the school has accommodations, the commissioner may authorize the admission as a special student of an applicant who, being otherwise qualified, and who, having taken the entrance examinations, has failed to meet the full requirements provided in the regulations of the Board, but who, nevertheless, is recommended by the principal of the normal school as, in his estimation, qualified to become a teacher. Such a special student shall be given regular standing only when he shall have satisfied all admission require-

ments, and when his work in the school in the estimation of the principal, justifies such standing. The principal of the normal school shall report annually in October to the commissioner as to all special students. Certificates may be granted to special students in accordance with regulations approved by the Board.

(b) When in any normal school, or in any course therein, the number of students entered as regular students, as advanced students, and as special students, as defined in (a) at the opening of any school year is below the maximum number for which the school has accommodations, the commissioner may, subject to such special regulations as may be approved by the Board, authorize the admission to any class as a special student, on the recommendation of the principal, of a person possessing special or exceptional qualifications for the work of such class. Such special student shall not be considered a candidate for a diploma until he shall have qualified as a regular student, but may, on the satisfactory completion of the work of the course, be granted a certificate to that effect by the Board. The principal of the normal school shall report annually in October to the commissioner as to all special students in the school under the provisions of this section.

VI. *Admission as Advanced Students.* — A graduate of a normal school or of a college, or any person with not less than three years' satisfactory experience in teaching, may be admitted as a regular or as an advanced student to any course under such regulations as may be approved by the Board.

SCHEDULE OF ENTRANCE EXAMINATIONS.

THURSDAY, JUNE 22, 1916.

<i>Morning.</i>		<i>Afternoon.</i>	
8.30- 8.45.	Registration.	1.30-2.30.	Geometry.
8.45-10.30.	English.	2.30-4.00.	Latin, arithmetic.
10.30-11.30.	History.	4.00-5.00.	General science.
11.30-12.30.	Algebra.		

FRIDAY, JUNE 23, 1916.

<i>Morning.</i>		<i>Afternoon.</i>	
8.15- 8.30.	Registration.	1.30-2.30.	Chemistry, physics.
8.30- 9.30.	Drawing, stenography.	2.30-3.30.	Physiology, bookkeeping.
9.30-11.00.	French, German, current events.	3.30-4.30.	Biology, botany, zoölogy.
11.00-12.00.	Physical geography, commercial geography.	4.30-5.30.	Household arts or manual training.

TUESDAY, SEPTEMBER 5, 1916.

<i>Morning.</i>		<i>Afternoon.</i>	
8.30- 8.45.	Registration.	1.30-2.30.	Geometry.
8.45-10.30.	English.	2.30-4.00.	Latin, arithmetic.
10.30-11.30.	History.	4.00-5.00.	General science.
11.30-12.30.	Algebra.		

WEDNESDAY, SEPTEMBER 6, 1916.

<i>Morning.</i>		<i>Afternoon.</i>	
8.15- 8.30.	Registration.	1.30-2.30.	Chemistry, physics.
8.30- 9.30.	Drawing, stenography.	2.30-3.30.	Physiology, bookkeeping.
9.30-11.00.	French, German, current events.	3.30-4.30.	Biology, botany, zoölogy.
11.00-12.00.	Physical geography, commercial geography.	4.30-5.30.	Household arts or manual training.

NOTE. — New classes will be admitted at the beginning of the fall term only. The studies of the course are arranged progressively from that time; it is important, therefore, that students shall present themselves then for duty. In individual cases and for strong reasons exceptions to this requirement are permissible, but only after due examination, and upon the understanding that the admission shall be at a time convenient to the school and to such classes only as the candidate is qualified to join.

It is advisable that application be made soon after January 1, and that certificates be forwarded early in June.

CURRICULA.

1. Department for Elementary School Teachers.

Designed primarily for students preparing to teach in the first six grades of elementary schools, and rural schools of all grades.

A period is forty-five minutes in length.

NAME AND NUMBER OF COURSE.	Number of Weeks.	PERIODS WEEKLY.	
		In Class.	Expected Preparation.
<i>First Year.</i>			
English Language 1,	19	3	2
English Language 3,	38	2	2
English Language 5,	38	2	2
Literature 1,	19	3	2
Arithmetic 1,	38	2	1
Geography 1,	38	2	1
Physical Education 1,	38	4	—
Physical Education 3,	38	2	—
History 1,	38	3	2
Drawing 1,	38	3	2
Practical Science 1,	38	4	2
Music 1,	38	3	2
Education 1,	8	10	5
<i>Second Year.</i>			
English Language 2,	13	4	2
English Language 4,	26	1	2
English Language 6,	26	1	2
Literature 2,	13	4	2
Arithmetic 2,	26	1	1
Geography 2,	26	2	1
Physical Education 2,	26	4	—
Physical Education 4,	26	2	—
History and Social Science 1,	13	4	2
Practical Arts 1,	26	3	2
Music 2,	26	3	2
Education 3,	26	2	3
Education 4,	13	4	1
Education 2,	12	30	20

2. Department for Music Supervisors.

Designed for students preparing to become supervisors of public school music.

NAME AND NUMBER OF COURSE.	Number of Weeks.	PERIODS WEEKLY.	
		In Class.	Expected Preparation.
Music 3,	36	8	2
Music 4,	36	14	4
English 7,	36	1	2
Education 5,	36	1	1
Education 3,	36	3	-

Brief Description of Courses Offered.

ENGLISH LANGUAGE.

English Language 1. Oral and written expression. Miss LOVELL.

First year. Nineteen weeks; three class periods and two periods expected preparation weekly.

The aim of this course is to give the student a thorough knowledge of our new course of study in English, "a course which is definite in its aim, clear and simple in its requirements grade by grade, suggestive and economical as to its methods."

English Language 2. Language and composition. Miss LOVELL.

Second year. Thirteen weeks; four class periods and two periods expected preparation weekly.

The course includes further drill on the essentials of language work as outlined in our new course of study.

English Language 3. Oral reading. Mr. RILEY.

First year. Thirty-eight weeks; two class periods and two periods expected preparation weekly.

The aim of the course is to prepare the students to teach the mechanics of reading and to acquaint them with the latest methods of teaching reading.

English Language 4. Oral reading. Mr. RILEY.

Second year. Twenty-six weeks; one class period and two periods expected preparation weekly.

The aim of this course is to train students in the selection of content, and to acquaint them with the best methods of teaching silent reading.

English Language 5. Penmanship. Mr. RILEY.

First year. Thirty-eight weeks; two class periods and two periods expected preparation weekly.

The aim is to secure good position, muscular relaxation, correct penholding, speed, legibility and endurance.

English Language 6. Methods course in penmanship. Mr. RILEY.

Second year. Twenty-six weeks; one class period and two periods expected preparation weekly.

The aim is to prepare the students to train their pupils to secure good position, muscular relaxation, correct penholding, speed, legibility and endurance.

LITERATURE.**Literature 1. Children's literature. Miss LOVELL.**

First year. Nineteen weeks; three class periods and two periods expected preparation weekly.

The work in literature gives the student aims, methods and material for the teaching of the poems and stories adapted to the first six grades in particular. The student is also given a wider appreciation and understanding of the reading selected for higher grades.

Literature 2. Children's literature. Miss LOVELL.

Second year. Thirteen weeks; four class periods and two periods expected preparation weekly.

The aim of this course is to make the student an effective teacher of children's literature. By reports, discussions and class reading the student is given a wider knowledge of children's literature and an understanding and appreciation of the works of our best English and American authors.

ARITHMETIC.**Arithmetic 1. General course. Miss CLARK.**

First year. Thirty-eight weeks; two class periods and one period expected preparation weekly.

The aim of this course is to fit students for the development of the subject-matter of the first four grades. Notes, plans and objective material are accumulated.

Arithmetic 2. Methods course. Miss CLARK.

Second year. Twenty-six weeks; one class period and one period expected preparation weekly.

This is a continuation of Course 1, with the special aim of preparing pupils for arithmetic work in grades 5 and 6. It includes plans for the development of fractions, common and decimal; simple percentage and mensuration; and applied problems.

GEOGRAPHY.

Geography 1. General course. Miss CLARK.

First year. Thirty-eight weeks; two class periods and one period expected preparation weekly.

The aim of this course is to fit students for work in the first four grades of elementary schools. The course includes the observation of weather conditions and the making of weather records, the study of peoples, occupations, surface features, the Merrimac River as a type, map development with sandboard construction and current events.

Geography 2. Methods course. Miss CLARK.

Second year. Twenty-six weeks; two class periods and one period expected preparation weekly.

This is a continuation of Course 1, and includes mathematical, physical and commercial geography, with type studies of glaciers, great river and mountain systems, the great cities, cotton, wool, silk, coal, iron, grazing, wheat, corn, sugar, irrigation, etc. The course also includes field work, current events, lesson plans and the accumulation of objective material.

PHYSICAL EDUCATION.

Physical Education 1. Gymnastics and calisthenics. Miss HUMPHREY.

First year. Thirty-eight weeks; four class periods weekly.

A content and methods course in games, dancing, calisthenics and playground activities for elementary schools, — teaching, with special reference to rural schools, such forms of play and recreation as may lend themselves most readily to performance in social life, special attention being given to the development of dancing and recreation for the pupils of country communities.

Physical Education 2. Gymnastics and playground. Miss MILNER.

Second year. Twenty-six weeks; four class periods weekly.

This course aims to give students: first, knowledge and appreciation of play and its function in the life of the child; second, a practical knowledge of play, games and dances, their organization and management, with adaptation to classroom and playground. Private instruction in corrective work for the normal student's immediate individual need is also included.

Physical Education 3. Personal hygiene. Miss MILNER.

First year. Thirty-eight weeks; two periods weekly.

The aim of this course is to secure in the normal student settled habits in care of the body which will lead toward stronger, healthier and more efficient lives. Such habits can be secured only by repeated action; therefore the student

must be trained to insist on immediate and continuous application of every principle taught, — first for herself, later for the children under her care. She must be trained to give to the individual child the special attention which his necessities demand. She must live hygiene and train her children step by step to do the same.

Physical Education 4. School hygiene and sanitation. Miss MILNER.

Second year. Twenty-six weeks; two periods weekly.

This course aims to train students to consider the physical welfare of the school child through the study of the lighting, heating and ventilation of the school room, school furniture, drainage, water supply and the relation of the school to contagious disease. Frequent clinics are held at the practice school, where the students observe children under examination by the school physician for symptoms of communicable diseases and conditions.

HISTORY.

History 1. General course. Miss CHENEY.

First year. Thirty-eight weeks; three class periods and two periods expected preparation weekly.

The aim of this course is to prepare students for efficient teaching of history in the first six grades; the general method, — much practice in planning and teaching of type lessons; collection of historical material for future use in the grades; occasional visits to historical places, etc.

History and Social Science 1. Community civics. Miss CHENEY.

Second year. Thirteen weeks; four class periods and two periods expected preparation weekly.

The aim of this course is to prepare students, by a systematic study of community life, to train their pupils to an intelligent and serviceable citizenship; general method; — study of local community and its various political, social and industrial agencies through personal investigation; active participation in student's own civic life; teaching of type lessons; collection of notes and illustrative material, etc.

DRAWING.

Drawing 1. General course. Miss CHUTE.

First year. Thirty-eight weeks; three class periods and two periods expected preparation weekly.

The aim of this course is to acquaint teachers with the subject-matter of drawing in the first six grades, with best methods of presenting the same. This includes much practice in drawing.

PRACTICAL ARTS AND PRACTICAL SCIENCE.

Practical Arts 1. General course. Miss CHUTE.

Second year. Twenty-six weeks; three class periods and two periods expected preparation weekly.

The aim of this course is to acquaint teachers with definite practical arts projects that can be carried out in elementary schools without special equipment.

Practical Science 1. Nature study and school gardening. Mr. WEED.

First year. Thirty-eight weeks; four class periods and two periods expected preparation weekly.

A comprehensive course aiming to prepare teachers to conduct work in nature study and gardening in the first six grades of elementary schools. It is based on personal observation of the more important phases of nature study, elementary science and school gardening.

MUSIC.

Music 1. General course. Mr. BROWN.

First year. Thirty-eight weeks; two class periods and one chorus period and two periods expected preparation weekly.

This course provides instruction in the following: (a) music fundamentals and sight singing; (b) the aims, methods and courses of study as applied to the elementary schools; (c) the child voice, its conservation and development; (d) the best methods of presenting the subject to children in the first six grades.

Music 2. General course. Mr. BROWN.

Second year. Twenty-six weeks; two class periods and one chorus period and two periods expected preparation weekly.

This course, which is a continuation of the first year in music, is intended to give the student a working knowledge of all the fundamentals of music, together with the methods of presenting the same to children.

EDUCATION.

Education 1. Observation and supervised practice. Miss MURKLAND.

First year. Eight weeks; ten class periods and five periods expected preparation weekly.

The aim of this course is to give students an empirical knowledge of children and of the teaching process. The course includes observation and teaching, under the immediate direction of skilled teachers, in the kindergarten and first six grades, with discussion of lessons observed and taught by students.

Education 2. Practice teaching. Miss MURKLAND.

Second year. Twelve weeks; thirty class periods and twenty periods expected preparation weekly.

The aim of this course is to give students experience in managing and teaching children in the elementary schools, both rural and graded. Teaching is done under the direction, but not necessarily in the presence, of skilled teachers, that the students may acquire habits of efficiency in teaching and school management with as little waste in time and energy as possible.

Education 3. Educational psychology. Mr. MAHONEY.

Second year. Twenty-six weeks; two class periods weekly and three periods expected preparation weekly.

A course intended to acquaint the student with the fundamental principles of the psychology of the child. The emphasis is laid on the application of these principles to method of teaching. Assigned readings, reports, lectures, class discussions, experiments, observations.

Education 4. History of education and educational sociology. Miss CHENEY.

Second year. Thirteen weeks; four class periods and one period expected preparation weekly.

The aim of this course is to give the future teacher a deeper appreciation and a broader view of her chosen profession.

This course includes not only the history of education in past times, but also a study of modern education, particularly of the present-day problems in education.

Special Music Course.

This is a special course to which only third-year or more advanced students are admitted. It is highly important that each student shall have had some experience in teaching in the public schools before entering this class. At least a year's experience as a grade teacher is invaluable and almost indispensable.

In addition to the special course in music students are required to take English 7, Education 1 and Education 3. The course may be completed in one year or more, according to the ability of the student. The essential features of the course are indicated in the following statement: —

Music 3. Course for supervisors and special teachers of music in public schools. Mr. BROWN. Thirty-six weeks; eight class periods and two periods expected preparation weekly.

The following phases of music in public education are developed: elementary: (a) music fundamentals and sight singing; (b) the aims, methods and courses as applied to the elementary schools, practice teaching and observation; (c) the child voice, its conservation and development; secondary: (a) music appreciation; (b) chorus conducting.

Music 4. Observation and practice. Mr. BROWN. Thirty-six weeks; twenty-four weeks' observation, six periods weekly; practice, twelve weeks, eight periods weekly; four periods expected preparation.

English 7. Special course in poetry. Miss LOVELL. Thirty-six weeks; one class period and two periods expected preparation weekly.

The aim of this course is to give the student a knowledge and appreciation of our best poetry and the poetry suitable for children, choice English lyrics, the ballad and the works of those who have written much which children enjoy.

Education 5. History of education. Miss CHENEY. Thirty-six weeks; one class period and one period expected preparation weekly.

This subject is taken as a necessary part of the future teachers' professional equipment. General method; the lecture, with occasional outside readings by the students.

The Glee Club. The glee club is made up of the students in the special course in music and those members of the junior and senior classes who are able to pass the required examinations. The club meets for rehearsals once each week throughout the year.

Three-year Course.

This course will consist of the regular two-year course and one year's practice teaching in rural schools of Massachusetts.

Students taking this course will receive compensation while they are at work in these rural schools.

SCHOOLS OF OBSERVATION AND PRACTICE.

Facilities for observation and practice are very extensive at the State Normal School at Lowell. Both observation of and practice in the graded city institutions may be had at the Bartlett School and the New Moody Street School in the city of Lowell.

The building occupied by the Bartlett School is described in the report of the school committee as follows: —

The new Bartlett School building is the largest and the finest of the grammar school buildings in the city of Lowell. It is quite plain architecturally, nothing whatever having been wasted for show, but within is a model of convenient arrangement. The side hill upon which it is built made it easy to have the basements exceptionally high and well ventilated. On the two floors above wide corridors run the whole length of the building, with two wide entrances from the street for the first and two spacious stairways for the second. The upper floor is occupied by a handsome and well-lighted hall, capable of seating twelve hundred persons, with smaller rooms at each end which might well be fitted up for museums or for similar uses. The building is, of course, supplied with all the usual modern appliances in the way of ventilation, adjustable seats for pupils, storerooms for tools, office for the principal with telephone connections with all the rest of the building, parlor for the teachers, etc.

The New Moody Street School is one of the newest of the large primary school buildings erected by the city of Lowell. It furnishes four rooms for training in primary grades.

The Bartlett and New Moody Street schools together give twenty rooms of elementary grade and a kindergarten for use in training.

The following agreement for the administration of these schools has been made during the present year by the city of Lowell and the Commonwealth:—

AGREEMENT BETWEEN THE COMMONWEALTH OF MASSACHUSETTS AND THE
CITY OF LOWELL AS TO MAINTENANCE OF SCHOOLS OF OBSERVATION
AND PRACTICE FOR THE USE OF THE STATE NORMAL SCHOOL AT LOWELL.

This agreement, made and entered into this fifth day of June, in the year one thousand nine hundred and fourteen, by and between the city of Lowell in the county of Middlesex and the Commonwealth of Massachusetts, acting through the school committee of said city of Lowell thereto duly authorized, parties of the first part, and the State Board of Education, acting for and in behalf of the Commonwealth of Massachusetts, as party of the second part, to establish and maintain as schools of observation and practice (hereafter to be known as training schools) the new Bartlett School, the New Moody Street School, and the Lexington Avenue School, in connection with the State Normal School at Lowell. *Witnesseth:—First.*—That the parties of the first part agree to assign to said training schools in the customary grades, including the kindergarten, not less than 700 pupils nor more than 1,000 pupils during each school year, these numbers to be based on average daily attendance.

Second.—The parties of the first part agree with the State Board of Education, acting for and in behalf of the Commonwealth, that the said

Board of Education, under the order and superintendence of the school committee of Lowell, shall have full authority as to the number, salaries, selection, appointment, control and dismissal of principals, teachers, supervisors, instructors, janitors and other employees of the training schools, courses of study, textbooks and supplies, methods of instruction and discipline, and general management in said training schools.

Third. — That the principals, teachers, supervisors, instructors, janitors and other employees of the training schools shall be nominated by the principal of the normal school, with the approval of the State Board of Education, and elected by the school committee of Lowell; and that the discontinuance of service of any of the foregoing employees shall be effected by vote of the school committee of the city of Lowell, upon the recommendation of the principal of the normal school to the school committee, with the approval of the State Board of Education.

Fourth. — That the expenses of maintaining the training schools as provided in this agreement, not including cost of repairs, medical inspection and attendance service, shall be paid by the Commonwealth.

Fifth. — That the parties of the first part hereby agree to pay annually into the treasury of the Commonwealth in equal quarterly installments, on the fifteenth day of January, April, July and October, a sum of money equal to the product found by multiplying the per capita cost of instruction and maintenance, exclusive of the cost of repairs, medical inspection, and attendance service, in the kindergarten and elementary schools of Lowell for the preceding fiscal year ending December 31, by the average membership of the training schools for the same year. In each case the average membership in the schools shall be the basis of calculation. "Cost of instruction and maintenance" shall include, in each case, expenditures for salaries of supervisory officers, teachers and special instructors, transportation of pupils, janitor service, books, supplies, water, heat, light and all other expenses except expenses for repairs, medical inspection and attendance officers. It is understood that the textbooks, supplies and other equipment, purchased from time to time for use in said training schools and paid for out of this sum, shall be the property of the city of Lowell, but subject to the control and use of the State Board of Education in the training schools, as provided in this agreement: *provided*, that for the period between July 1, 1914, and Dec. 31, 1914, the amount to be paid by the city of Lowell into the treasury of the Commonwealth shall be a sum of money equal to four-tenths of the product found by multiplying the per capita cost of maintenance and instruction, as defined in this agreement, of the schools of the city of Lowell, for the fiscal year 1913 by the average membership for that year in the schools used as schools of observation and practice by the normal school during that year; to which shall be added the sum of \$711.25, all of said money to be paid into the treasury of the Commonwealth in four equal installments, on September 1, October 1, November 1 and December 1 of the year 1914.

Sixth. — That the said Board of Education shall give to the pupils at-

tending said training schools as good educational advantages as are, at any corresponding time, furnished by the average schools of the same grade in the city of Lowell. The city of Lowell guarantees to the graduates of said training schools the same privileges and opportunities of entrance to schools of higher grade as are afforded to the graduates of the other public schools of like rank of the city of Lowell.

Seventh. — That the school committee of the city of Lowell shall, by the proper officials, and at the expense of the city, enforce all laws relating to attendance, truants and incorrigibles and medical inspection, and that the school committee and its superintendent shall have the same rights of visiting and inspecting said training schools as in the other schools of the city.

Eighth. — That the estimates as to the average cost per pupil, as provided in this agreement, to the city of Lowell, shall be made jointly by the principal of the normal school and the superintendent of schools of the city of Lowell, and the said estimates shall be approved by the school committee of the city of Lowell and the State Board of Education.

Ninth. — That this contract shall take effect on July 1, 1914.

Tenth. — That this agreement shall be subject to such modifications as shall mutually be agreed upon hereafter by the said city of Lowell and the Commonwealth.

Eleventh. — That this agreement does not so fully meet the requirements of section 5, chapter 457, Acts of 1894, as to prevent further provision for model and practice schools, in a manner to be agreed upon mutually by the said city and the Commonwealth.

Twelfth. — That this agreement may be modified or abrogated at any time hereafter by mutual agreement of the contracting parties, but shall not be abrogated by either party alone except after two years' notice in writing shall have been given to the other party hereto.

.....,
SCHOOL COMMITTEE OF THE CITY OF LOWELL.

.....,
Board of Education.

For training in rural school work the State Normal School has available the Lexington Avenue School, a building just within the city limits, but strictly speaking an ungraded school of six grades. In the town of Tewksbury is an ungraded school of eight grades, north village, and a two-room building of eight grades in the south village. In South Chelmsford is another two-room building with eight grades, four grades to each room.

These schools give ample opportunity for observation and practice along rural school lines. Each senior is expected to spend a certain portion of her practice period in these rural schools.

Thus it will be seen that the practice facilities of the State Normal School at Lowell cover nearly all features of grade school work which the normal graduate may meet after taking up her work.

Special emphasis is placed upon this side of the normal school work. The conditions met by the pupil-teacher in her practice work are those of a regular public school, both in instruction and in discipline.

GENERAL INFORMATION.

Tuition is free to all residents of Massachusetts. Each pupil not a resident of this State shall pay tuition to the extent of \$25 for each half year.

State aid to a limited extent may be granted to deserving persons after they have been in attendance for at least one term, provided they do not live in towns where the normal schools are situated. Applications for this aid are to be made to the principal in writing, and shall be accompanied by such evidence as shall satisfy him that the applicant needs the aid.

The school possesses a very attractive lunch room, where hot luncheons are served by the pupils of the Lowell Vocational School, which is situated close by. The food is prepared on the premises and served at cost.

The Lowell Normal School is always open to those interested in its work, and extends a cordial invitation to teachers, school committees, superintendents and parents to investigate its methods, attend classes or to inspect the buildings at any time.

There is no school session on Saturday.

Superintendents who wish to employ normal graduates are invited to visit the practice schools, where they will find pupil-teachers at work throughout the year.

For catalogues, specimen examination papers, or any special information, address the principal at Lowell.

Students.

Senior Class — 1915-16.

Biggane, Catherine Agnes,	Cambridge.
Bourne, Bessie Josephine,	Ward Hill.
Brenner, Margaret Elizabeth,	Cambridge.
Brown, Lillian Margaret,	Cambridge.
Bruin, Margaret Frances,	Lowell.
Butler, Caroline Bernardine Marie,	Cambridge.
Callahan, Genevieve Agnes,	North Chelmsford.
Castles, Helen Agnes,	Lowell.
Center, Florence Caroline,	Hudson, N. H.
Cluff, Gertrude Lillian,	Lowell.
Conlon, Anna Marie,	Bradford.
Connell, Catherine Marie,	Cambridge.
Cummings, Irene Mary,	Lowell.
Curtin, Mary Elizabeth,	Haverhill.
Daley, Mary Katherine,	North Chelmsford.
Dempsey, Marie Sylvia,	Lawrence.
Dewhirst, Helen Lucile,	South Groveland.
DeVoy, Frances Elizabeth,	Lawrence.
Dinneen, Alice Katherine,	Lowell.
Donahue, Cathryn Evelyn,	Bradford.
Donahue, Lilian Mary,	Nashua, N. H.
Dowler, Elizabeth Isabel,	Tewksbury.
Driscoll, Dorothy Ignatia,	Lowell.
Farrell, Mary Margaret,	Lowell.
Flahavan, Elizabeth Hickson,	Lowell.
Flahavan, Kathryn Hickson,	Lowell.
Gallagher, Mary Alice,	Lawrence.
Gallagher, Mary Katherine,	Lowell.
Garvey, Sabina Grace,	Woburn.
Gerety, Helen Frances,	Nashua, N. H.
Gerson, Ada Frances,	Lawrence.
Ginsburg, Nettie,	Lawrence.
Gordon, Mary Elizabeth,	Lowell.
Gould, Vernie Belle,	Lowell.

Grant, Grace Elizabeth,	Lawrence.
Gray, Mary Florence,	Lowell.
Hassett, Marie Genevieve,	Lowell.
Higgins, Mary Josephine,	Lawrence.
Horner, Nellie Dodge,	Lowell.
Humphrey, Stephen William,	Lawrence.
Jack, Emily Arvilla,	Haverhill.
James, Isabella Jane,	Lowell.
Jones, Olive Martha,	Tewksbury.
Joyce, Constance Mary,	Lawrence.
Kenna, Lillian Cecilia,	West Newton.
Lafferty, Mary Catherine,	Woburn.
Lane, Elizabeth Magdalene,	Haverhill.
Lane, Honora Agnes,	Haverhill.
Le Moine, Alexandrine Eugenie,	Nashua, N. H.
Lennon, Dorothy Helena,	Haverhill.
Liston, Agnes Louise,	Lowell.
Lynch, Anna Elizabeth,	Cambridge.
Lynch, Alice Gertrude Teresa,	Cambridge.
Lynch, Josephine Theresa,	Lowell.
Lyons, Helen Gertrude,	Lowell.
Maguire, Mary Ruth,	Dracut.
Mahoney, Louise Florence,	Lowell.
Mahoney, Marguerite Mary,	Cambridge.
McAloon, Harriett Louise,	Lowell.
McCoy, Katheryne Elizabeth,	North Chelmsford.
McElroy, Marion Ruth,	Lawrence.
McGovern, Edith Mary,	Bradford.
McKenna, Elizabeth Eileen Rita,	Lawrence.
McKittrick, Eunice Augusta,	Woburn.
McMahon, Mary Josephine,	Lawrence.
Moloney, Stella Gertrude,	Lowell.
Moran, Marguerite Mary,	Lawrence.
Mullen, Margaret Agnes,	South Groveland.
Murphy, Margaret Magdalene,	Lowell.
Murray, Annie Gray,	Woburn.
Murray, Grace Dorothy,	Lawrence.
Nickerson, Eleanor Elvyn,	North Billerica.
Noonan, Mary Jane,	Bradford.
O'Brien, Gertrude Frances,	Lowell.
O'Brien, Louise Mary,	Lawrence.
O'Connor, Mary Teresa,	Lawrence.

Payette, Laetitia Ida,	Lowell.
Piper, Doris Evelyn,	Andover.
Purcell, Margaret Louise,	Arlington.
Ready, Alice Gertrude,	Lowell.
Reed, Grace Veracunda,	Lowell.
Riordan, Dorothy Fay,	Lowell.
Ryan, Anastasia Bernadette,	Lowell.
Spaulding, Blanche Lydia,	Chelmsford.
Stevens, Hazel,	Lowell.
Sullivan, Helen Madeline,	Lowell.
Suteliffe, Dorothy,	Lawrence.
Tingley, Ruth Helen,	Tewksbury.
Wallace, Zilpha Ernestine,	Haverhill.
Warley, Lotta M.,	North Chelmsford.
Weinbeck, Hazel,	Lowell.
Welch, Helen Margaret,	Cambridge.
White, Alecia Winifred,	Bradford.
White, Freda Ellen,	Lowell.

Junior Class — 1915-16.

Anderson, Clara,	West Chelmsford.
Arnold, Virginia Irene,	Andover.
Barret, Mary Genevieve,	Lawrence.
Baylake, Lillian Frances,	Nashua, N. H.
Blaisdell, Mildred Ethel,	Tewksbury.
Blustein, Celia Jeannette,	Haverhill.
Borg, Thelma Agnes,	Chelmsford.
Brady, Helen Margaret,	Lowell.
Breakey, Marietta Beatrice,	Lowell.
Brendlen, Harriet,	Lawrence.
Brooks, Isabel,	Woburn.
Brown, Jessie Wilma,	Claremont, N. H.
Burdick, Dorothy Elizabeth,	Lowell.
Callahan, Gertrude Irene,	Woburn.
Calnan, Lillian Adelaide,	Lawrence.
Carey, Anna Louise,	Lawrence.
Carey, Gertrude Theodora,	Haverhill.
Carlson, Violet May Eleanor,	Lowell.
Carter, Mildred Eulalie,	Lawrence.
Cochran, Margaret Elizabeth,	Lawrence.

Cohen, Nina Manilla,	Haverhill.
Colby, Jessie Beatrice,	Hillsboro, N. H.
Comber, Mary Clare,	Lawrence.
Common, Margaret,	Lowell.
Condon, Henrietta Elizabeth,	Lowell.
Conley, Florence Mary,	Haverhill.
Cox, Sylvia May,	Andover.
Crawford, Marion Frances,	Groveland.
Cronk, Eva Mae,	Methuen.
Crowley, Helen Mary,	Lowell.
Davis, Helen Gladys,	Lawrence.
Delaney, Marion Ursula,	Lawrence.
Dole, Bernice Atwood,	Billerica.
Delaney, Marion Ursula,	Lawrence.
Dole, Bernice Atwood,	Billerica.
Durgin, Margaret Mary,	Lawrence.
Durkee, Marjorie Elizabeth,	Bradford.
Early, Mary Esther,	Lowell.
Eastman, Margery Fowle,	Woburn.
Egan, Mary Agnes,	Lowell.
Fadden, Hope Antoinette,	Lowell.
Farley, Katherine Louise,	Dracut.
Finning, Mary Catherine,	Nashua, N. H.
Flynn, Alice May,	Lowell.
Gallagher, Catherine Florence,	Lawrence.
Ganley, Frances Augusta,	Lawrence.
Garvey, Margaret Mary,	Lowell.
Gillen, Helen Katherine,	Lawrence.
Glynn, Theresa Rose,	Lowell.
Hanson, Bertha Elizabeth,	Lawrence.
Harrington, Helen Catherine,	Lowell.
Hayes, Etheldred Marie,	Lowell.
Henderson, Laura Casey,	Lowell.
Higgins, Bessie Agnes,	Cambridge.
Hill, Gladys Viola,	Lawrence.
Hoskins, Alice May,	Woburn.
Joy, Laura Jeannette,	Hudson, N. H.
Kavanah, Mary Gertrude,	Lawrence, N. H.
Kennedy, Ruth Verecunda,	Lowell.
Kline, Irene,	Cambridge.
Koford, Martha Helen,	Concord.
Laing, Clarice Rae,	Bradford.

Large, Eva May,	Lowell.
Linehan, Florence Katherine,	Haverhill.
Long, Bertha Louise,	Arlington Heights.
Mack, Helene Ignatia,	Lowell.
Maguire, Bessie Rita,	Lawrence.
Martin, Mary Agnes,	Lawrence.
McCann, Margaret,	Cambridge.
McCarthy, Helen Gertrude,	Cambridge.
McCarthy, Mary Genevieve,	Lawrence.
McCormack, Ruth Genevieve,	Lawrence.
McDermott, Alice Margaret,	Lowell.
McDonald, Irene Beatrice,	Lowell.
McGowan, Helen Frances,	Lawrence.
McGregor, Louise Genevieve,	Lawrence.
McKeon, Mary Anastasia,	Lowell.
McQuillen, Mary Olive,	Cambridge.
Messer, Olive Etta,	Lowell.
Moriarty, Cathleen Gertrude,	Bradford.
Morrill, Doris Etta,	Haverhill.
Morse, Dorothy Guild,	Lowell.
Murphy, Ruth Frances,	Lowell.
Nelson, Betty Annette,	West Chelmsford.
O'Connor, Loretta,	Salem.
O'Connor, Margaret Veronica,	Woburn.
O'Dowd, Anna Frances,	Bedford.
O'Leary, Genevieve Agatha,	Lawrence.
O'Leary, Margaret Philomena,	Cambridge.
O'Neil, Elizabeth Katherine,	Lawrence.
Ouimette, Corinne Marie,	Lowell.
Park, Mary Estelle,	Chelmsford.
Peiffer, Marion Edna,	Lowell.
Phillips, Marion Josephine,	Haverhill.
Pihl, Minnie Luetta,	Lowell.
Prahl, Agnes Lillian,	Billerica.
Pratt, May Jeannette,	Lowell.
Quigley, Teresa Frances,	Pelham, N. H.
Rooney, Myrtle Genevieve,	Lowell.
Rouine, Anastatia Helena,	Lowell.
Rutherford, Amy Elizabeth,	Lawrence.
Ryan, Alice Kathleen,	Groveland.
Sharry, Mary Louise,	Woburn.
Shaughnessy, Catherine Helen,	Cambridge.

Silverman, Lena Evelyn,	Lawrence.
Sullivan, Bertha Frances,	Billerica.
Sullivan, Mae Elinor,	Cambridge.
Sullivan, Mary Theresa,	Bristol, R. I.
Sullivan, Teresa Mary,	Cambridge.
Swanson, Lillian Florence,	Lowell.
Sweetser, Louise Wade,	Woburn.
Taber, Gladys June,	Lowell.
Tardif, Lorraine Alice,	Haverhill.
Thomas, Harriet Palmer,	Lowell.
Thompson, Marian Louise,	Haverhill.
Thornton, Marion Evelyn,	Ward Hill.
Valentine, Mina,	Lawrence.
Vaughan, Anna Mary,	Cambridge.
Westwood, Helen Alice,	Lowell.
Woodbury, Jessie Luella,	Lowell.

Special Students — 1915-16.

Archibald, Jessie Currie,	Lowell.
Biery, Helen Marguerite,	Lawrence.
Clark, Olive Beulah,	Milford, N. H.
Cornell, Hazel Frances,	Lowell.
Gordon, Ruby Josephine,	Lawrence.
Leggat, Frances Ridley Havergal,	Lowell.
Lombard, Ethel O.,	Lowell.
Lombard, Eva M.,	Lowell.
Martin, Marion,	Lowell.
O'Reilly, Frank White,	East Dedham.
Reagan, Francis J.,	Cambridge.
Reyes, Carmen,	Mexico.
Sherburne, Mary,	Lowell.

Three-year Course.

Concannon, Mary Frances,	Lowell.
Keith, Georgiana Patricia, ¹	Lowell.
Smart, Etta Foss, ²	Haverhill.
Murphy, Irene Elinor,	Winchester.

¹ Teaching in Holden.

² Teaching in Charlestown, N. H.

